Reporting Period: 06-15-04 to 09-15-04

Otay River Watershed Management Plan

Summary of Work Completed <u>During This Reporting Period</u> (List all tasks)

<u>Task</u>	<u>Deliverable by Subtask #</u>	<u>Due Date</u>	<u>% of Work Complete</u>	<u>Date Submitted</u>
1 Project Management and Administration	1.1 Quarterly Progress Report	3/15/04 and quarterly thereafter	60%	3/15/04 6/15/04 9/15/04
2 Watershed Assessment	2.1 Draft Technical Report	07/16/04	90%	8/6/04
	2.2 CD-ROM of GIS-based data inventory for the watershed	07/16/04	90%	8/6/04
	2.3 CD-ROM of existing and proposed compatible uses	07/16/04	90%	8/6/04
	2.4 CD-ROM of baseline watershed indicators	08/31/03	90%	8/6/04
3 Development of Functions and Values Products	3.1 Draft Water Quality and Hydrology Analysis (Model)	10/31/04	0%	
	3.2 GIS-based tool to identify high priority projects within the watershed	10/31/04	0%	
	3.3 Summary of point and nonpoint sources of pollution	11/30/04	0%	
	3.4 Draft Watershed Management Objectives	10/31/04	40%	8/4/04 (first draft)
	3.5 List of most effective management objectives	11/19/04	0%	
	3.6 Draft watershed protection, restoration and management strategies	11/24/04	0%	
	3.7 Draft Adaptive Management strategies and objectives	11/24/04	0%	
	3.8 Draft water quality monitoring strategy	11/30/04	0%	
4 Watershed Management Plan Development	4.1 Draft Watershed Management Plan	01/31/05	0%	
	4.4 Final Watershed Management Plan	04/30/05	0%	

Introduction

During the reporting period, work focused on completing the Draft Watershed Assessment Technical Report, developing the watershed GIS inventory, identifying existing and proposed compatible uses in the floodplain, and reporting on appropriate socioeconomic, land use, biodiversity, and water quality indicators for this watershed. The Corps of Engineers (ERDC) has not made their water quality model (HSPF) available yet, which has delayed Task 3 activities. In response, the Team is developing a simplified model (PLOAD, a component of USEPA's BASINS Model) to complete Task 3. Development of this application and the GIS-based watershed decision support tool will be completed by the end of October. Use of these tools and incorporation of the results into the Task 3 reports and documents will be finished by the end of November. The draft of the full Watershed Management Plan will be available by the end of January 2005, with finalization expected by the end of April.

Summary of Activities

Task 1: Project Management and Administration (60% complete)

1.1 Aspen Environmental Group has prepared and submitted the third Quarterly Report (this document). Future quarterly reports will be submitted to the County by December 15, 2004 and, if requested, March 15, 2005.

Task 2: Watershed Assessment (Cumulative 90% complete)

2.1 Aspen Environmental Group and our subcontractors completed and submitted to the County a draft of the Watershed Assessment Technical Report on August 6, 2004. This document included an Introduction and Executive Summary, Watershed Characterization (Watershed Setting, Historical Overview of the Watershed, General Land Use Patterns and Socioeconomic Factors, Geological Resources, Water Resources, Biological Resources, Differential Sub-Basin Sensitivity to Changes in Land Use), Remaining Data Needs for Future Watershed Restoration, References, Figures, Tables, and Acronyms and Abbreviations.

2.2 Aspen Environmental Group and our subcontractors compiled and submitted to the County on August 6, 2004 a GIS database for the watershed that includes various data layers, such as watershed boundary, jurisdictional boundaries, existing and planned land uses, generalized ownership, vegetation communities, topography, geology, soils, streams and seeps as identified by the U.S. Army Corps of Engineers, assessment of riparian ecosystem integrity scores as developed by the U.S. Army Corps of Engineers, sewer and septic infrastructure for existing and planned development, and census tracts and blocks. This inventory can be updated as additional information becomes available.

2.3 Aspen Environmental Group and our subcontractors identified existing and proposed compatible uses in the floodplain of the Otay River and its major tributaries, including Jamul Creek, Dulzura Creek, Salt Creek, Poggi Canyon Creek, Proctor Valley Creek, Hollenbeck Canyon Creek, and O'Neal Canyon Creek. We submitted this product to the County on August 6, 2004.

2.4 Aspen Environmental Group and our subcontractors identified various baseline watershed indicators (water quality, geomorphic/hydrologic, biologic, and socioeconomic and land use) to be used for evaluating the effectiveness of the BMPs and strategies developed under this Watershed Management Plan. We submitted these indicators in three brief draft reports to the County on August 6, 2004.

Task 3: Development of Functions and Values Products (Cumulative 0% complete)

3.1 Aspen Environmental Group's subcontractors have started the development of the PLOAD component of USEPA's BASINS Model, to predict pollutant loadings in different parts of the watershed under various land-use scenarios. This model application will be available by October 31, 2004.

3.2 Aspen Environmental Group's subcontractors have begun development of a GIS-Based Watershed Decision Support Tool, to identify/prioritize projects that would benefit water quality in this watershed. It will integrate the PLOAD application, and it will include a web access component. The integration with PLOAD will be available by October 31,2004. The web access component will be available by the end of November 2004.

3.3 Aspen Environmental Group's subcontractors have begun identifying the point and non-point sources of pollution in this watershed. The draft report, which will incorporate modeling results, will be submitted to the County by November 30, 2004.

3.4 Aspen Environmental Group worked with the County and stakeholders during the period to identify draft goals and objectives for the WMP. A consolidated list was submitted during the August 4, 2004 Working Group meeting, and revised during the September 1, 2004 Working Group meeting. Aspen and RBF Consulting will examine the objectives to determine whether more specific objectives should be added. They will also look at the lists of BMPs used by the various jurisdictions and their own experience to identify suites of practices to assist in achieving the WMP goals and objectives. This will establish the framework for identifying effective management practices in Task 3.5.

3.5 No work performed this period.

3.6 No work performed this period.

3.7 No work performed this period.

3.8 No work performed this period.

Task 4: Watershed Management Plan Development (Cumulative 0% complete)

4.1 No work performed this period.

4.2 No work performed this period.

4.3 No work performed this period.

4.4 No work performed this period.

Funding for this project has been provided in full or in part through a contract with the State Water Resources Control Board (SWRCB) pursuant to the Costa-Machado Water Act of 2000 (Proposition 13) and any amendments thereto for the implementation of California's Nonpoint Source Pollution Control Program. The contents of this document do not necessarily reflect the views and policies of the SWRCB, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.